INTERNATIONAL SEARCH REPORT Intermional Application No PCT/JP 02/13036 MATTER CLASSIFICATION OF SUB C 7 G02B5/30 //C08L29:04 C08J7/06 10/538079 09 JUN 2005 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) GO2B C08J Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. EP 0 297 927 A (UNITIKA LTD) Α 1 - 3, 54 January 1989 (1989-01-04) claims 4,15,20 column 6, line 3 - line 50 column 7, line 48 - line 54examples 1,3,5,7US 5 670 092 A (STARZEWSKI KARL-HEINZ Α 1 ALEKSAND) 23 September 1997 (1997-09-23) claim 1 EP 0 926 515 A (KURARAY CO) 1 Α 30 June 1999 (1999-06-30) example 1 Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the 'A' document defining the general state of the art which is not considered to be of particular relevance invention 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or other means

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Intermional Application No PCT/JP 02/13036

	Patent document cited in search report	}	Publication date		Patent family member(s)	Publication date
	EP 0297927	A	04-01-1989	DE DE EP JP JP US	3889256 D1 3889256 T2 0297927 A2 1105204 A 2543748 B2 5071906 A	01-06-1994 11-08-1994 04-01-1989 21-04-1989 16-10-1996 10-12-1991
	US 5670092	A	23-09-1997	DE DE EP JP	4434964 A1 59508921 D1 0704723 A1 8114712 A	04-04-1996 01-02-2001 03-04-1996 07-05-1996
	EP 0926515	A	30-06-1999	EP US CN CN JP WO KR	0926515 A1 6337369 B1 1220735 A 1220735 T 10319236 A 9841887 A1 2000010959 A	30-06-1999 08-01-2002 23-06-1999 23-06-1999 04-12-1998 24-09-1998 25-02-2000